Grid Location	LOU Number	Phase B Boring No.	Sample ID Number	Sample Depths <sup>1.</sup> (ft. bgs)	Perchlorate (EPA 314.0)	Metals (EPA 6020)	Hex Cr (EPA 7199)	TPH- DRO/ORO (EPA 8015B)	TPH-GRO (EPA 8015B)	VOCs <sup>2.</sup> (EPA 8260B)	Wet Chemistry <sup>3.</sup>	Total Cyanide (EPA 9012A)	OCPs <sup>4.</sup> (EPA 8081A)	SVOCs <sup>5.</sup> (EPA 8270C)	Radio- nuclides <sup>6.</sup>	Dioxins/ Furans <sup>7.</sup>	Asbestos <sup>9.</sup> EPA/540/R-97/028	Geo- technical Tests <sup>10.</sup>	
						Bo	orings are	organized by	grid locatio	n as showi	n on <u>Plate A</u> - S	starting point is	on the nort	hwestern me	ost grid in <u>Area</u>	a <u>2 (M-2)</u> an	d ending with	the southea	astern most grid in Area 2 (S-7).
M-6	16, 17, 57, 60	SA64	SA64-0.0	0.0													Х		Boring located to evaluate LOUs 16 and
M-6	16, 17, 57, 60	-	SA64-0.5 SA64-10	0.5	X	X	X			X	X		X Hold	X	X	X		x	Plant Transfer Lines to Sodium Chlorate
M-6	16, 17, 57, 60		SA64-10	20	X	X	X			X	X		Hold	X	X			^	releases, and for general coverage of L
M-6	16, 17, 57, 60		SA64-30	30	Х	Х	Х			Х	Х		Х	Х	Х				
M-6	16, 17, 57, 60	SA198	SA198-0.0	0.0	V	×	v			v	Y		V	v	Y	V	Х		Boring located to evaluate LOU 16 and
M-6	16, 17, 57, 60		SA198-0.5 SA198-10	0.5	X	X	X			X	X		X Hold	X	X	×			Located in a low spot of bottom of LOLL
M-6	16, 17, 57, 60		SA198-20	20	X	X	X			X	X		Hold	X	X				and adjacent to the LOU 60 pipeline to
M-6	16, 17, 57, 60		SA198-30	30	Х	Х	Х			Х	Х		Hold	Х	Х				
M-6	16, 17, 57, 60	04454	SA198-35	35	Х	Х	Х			Х	Х		Х	Х	Х		X		
N-7	5	SA154	SA154-0.0	0.0	×	v	v	×		v	Y		v	×	×	v	X		Boring located to evaluate LOU 5 (Beta
N-7	5		SA154-0.5	10	X	X	X	X		X	X		Hold	X	X	~			upstream tributary source nows in the u
N-7	5		SA154-20	20	X	X	X	X		X	X		Hold	X	X				
N-7	5		SA154-30	30	Х	Х	Х	Х		Х	Х		Hold	Х	Х				
N-7	5	04.44	SA154-40	40	X	Х	Х	Х	-	Х	X		X	Х	X		×		Paria a la cata dita cura lucita LOLLAS (Dia
0-5	45, 59, 60 45, 59, 60	5A41	SA41-0.0 SA41-0.5	0.0	x	x	×	x		x	x		x	×	x	x	*		System) Located on the perimeter of the
0-5	45, 59, 60		SA41-10	10	X	X	X	X		X	X		Hold	X	X	~			for historic details) and between LOUs 5
O-5	45, 59, 60		SA41-20	20	Х	Х	Х	Х		Х	Х		Hold	Х	Х				
O-5	45, 59, 60		SA21-30	20	X	Х	Х	X		Х	X		Hold	Х	X				
0-5	45, 59, 60	CA 45	SA21-40	40	X	Х	Х	Х	-	Х	X		Х	Х	X		×		Paring leasted to such at a ULL 45 (Dia
0-5	45,60 45,60	5A45	SA45-0.0	0.0	x	x	x	x		x	x		x	×	x	x	^		of a former tank to evaluate potential su
0-5	45,60		SA45-10	10	X	X	X	X		X	X		Hold	X	X	~			location.
O-5	45, 60		SA45-20	20	Х	Х	Х	Х		Х	Х		Hold	Х	Х				
O-5	45, 60		SA45-30	30	X	Х	Х	X		Х	X		Hold	Х	X				
0-5	45, 60	6A.50	SA45-40	40	X	Х	Х	X		Х	X		Х	X	X		×		Dering leasted as a weatward atop out t
0-5	8	5A50	SA50-0.0	0.0	x	x	×	x		x	x		x	×	x	x	*		Boring located as a westward step out t
0-5	8		SA50-10	10	X	X	X	X		X	X		Hold	X	X	~			LOU 60 (former Acid Drain System).
O-5	8		SA50-20	20	Х	Х	Х	Х		Х	Х		Hold	Х	Х				
O-5	8		SA50-30	30	Х	Х	Х	Х		Х	Х		Х	Х	Х				
0-5	7,60	SA102	SA102-0.0	0.0	×	v	~			v	v		v	×	v	v	X		Boring located to evaluate LOU 7 (Old F
0-5	7,60		SA102-0.5 SA102-10	10	X	X	X			X	X		Hold	X	X	^		Х	for piping releases.
O-5	7, 60		SA102-20	20	X	X	X			X	X		X	X	X				······································
O-5	45, 59, 60	SA172	SA172-0.0	0.0													Х		Boring located to evaluate LOU 45 (Die
0-5	45, 59, 60		SA172-0.5	0.5	X	Х	X	X		Х	X		Х	X	X	Х			System). Located beneath the footprint
0-5	45, 59, 60		SA172-10	10	X	X	X	X		X	X		Hold	X	X				summary for historical data).
0-5	45, 59, 60		SA172-30	30	X	X	X	X		X	X		Hold	X	X				
O-5	45, 59, 60		SA172-35	35	Х	Х	Х	Х		Х	Х		Х	Х	Х				
O-5	45, 59, 60	SA187	SA187-0.0	0.0													Х		Boring located to evaluate LOU 45 (Die
0-5	45, 59, 60		SA187-0.5	0.5	X	X	X	X		X	X		X	X	X	Х			System). Located on the perimeter of the
0-5	45, 59, 60 45, 59, 60		SA187-10	20	X	X	X	X		X	X		Hold	×	X				for historic details) and between LOOS a
0-5	45, 59, 60		SA187-30	30	X	X	X	X		X	X		Hold	X	X				
O-5	45, 59, 60		SA187-35	35	Х	Х	Х	Х		Х	Х		Х	Х	Х				
0-5	45, 59	SA188	SA188-0.0	0.0													Х		Boring located to evaluate LOU 45 (Dies
0-5	45, 59		SA188-0.5	0.5	X	X	X	X		X	X		X	X	X	X			System). Located beneath the tootprint
0-5	45, 59		SA188-20	20	X	X	X	X		X	X		Hold	X	X				summary for historical data).
O-5	45, 59		SA188-30	30	X	X	X	X		X	X		Hold	X	X				
O-5	45, 59		SA188-35	35	Х	Х	Х	Х		Х	Х		Х	Х	Х				
0-6	45, 59	SA40	SA40-0.0	0.0	N/	X	X	Y.		X			N/	X	N/	N/	Х		Boring located to evaluate LOU 45 (Dies
0-6	45, 59	-	SA40-0.5	0.5	X	X	X	X		X	X		X Hold	X	X	X			System). Located on the perimeter of the
0-6	45, 59		SA40-10	20	X	X	X	X		X	X		Hold	X	X				for historie details) and between 2003 c
0-6	45, 59		SA40-30	30	X	X	X	X		X	X		Hold	X	X				
O-6	45, 59		SA40-40	40	Х	Х	Х	Х		Х	Х		Х	Х	Х				
0-6	45,60	SA42	SA42-0.0	0.0	N/	X	X	Y.		X			N/	X	N/	N/	Х		Boring located to evaluate LOU 45 (Dies
0-6	45,60 45,60	+	SA42-0.5 SA42-10	U.5 10	X	X	X	X		X	X		X Hold	X	X	X			within the tootprint of former abovegroup
0-6	45.60	+	SA42-20	20	x	X	X	X		x	x		Hold	x	x	1			איז
O-6	45, 60		SA42-30	30	Х	Х	Х	Х		Х	Х		Hold	Х	Х				
0-6	45, 60		SA42-40	40	Х	Х	Х	Х		Х	x		X	Х	x				
Q-6	15, 60	SA126	SA126-0.0	0.0	v	~	V	v		V	~		v	v	~	v	X		Boring located to evaluate LOU 15 (Plat
Q-6	15,60	+	SA120-0.5 SA126-10	0.5	X	X	X	X		X	X		X Hold	X	X	X	1		evaluate local piping releases
Q-6	15, 60	1	SA126-20	20	X	X	X	X		X	x		Hold	X	x		1		idate ieea, piping roledded.
Q-6	15, 60		SA126-30	30	Х	Х	Х	Х		Х	Х		Hold	Х	Х				
Q-6	15, 60		SA126-35	35	Х	Х	Х	Х		Х	Х		Х	Х	Х				
Q-6	43, 59, 60	KSAQ6	RSAQ6-0.0	0.0	v	v	v	v		v	v		v	v	v	v	×		Boring located nearby LOU 43 (Unit 4 B
Q-0	40,00,00	1	1.01.00-0.0	0.5	^	^	· ^	^	1	· ^	^		· ^	^	^	∧	1		Demoi System, and LOU ou (Acid Dial

Rationale
.7)
<u>-1]</u> .
to and 17 (Ponds AP-1 through AP-3 and Associated Transfer Lines), LOU 57 (AP
Chlorate Process, AP Plant Sis and Transfer Lines), and LOU 60 (Acid Drain System).
of LOU 16 and 17 for worst case coverage, near LOU 60 to evaluate possible piping
ge of LOU 57.
16 and 17 (Ponds AP-1 through AP-3 and Associated Transfer Lines), LOU 57 (AP
Chlorate Process, AP Plant SIs and Transfer Lines), and LOU 60 (Acid Drain System).
of LOU 16 and 17 to evaluate worst case conditions and for general coverage of LOU 57
line to evaluate potiential local releases.
5 (Beta Ditch) Located in the bottom of the Eastern Diversion Ditch to evaluate
in the ditch
45 (Diesel Storage Tanks), LOU 59 (Storm Sewer System), and LOU 60 Acid Drain
eter of the former aboveground storage tank to evaluate potential releases (see text
LOUs 59 and 60 to evaluate possible piping releases.
45 (Diesel Storage Tanks) and LOU 60 (Acid Drain System). Located within the footprint
ontial subsurface releases and near I OII 60 manhole which is a high risk release
ep out to LOU 8 (Old P-3 Pond and Associated Conveyance Facilities). For general
flow release of surface runoff. Borin will also serve to evaluate potential releases from
em).
7 (Old P-2 Pond and Associated Conveyance Facilities), LOU 8 (Old P-3 Facilities),
) Located at a lowspot in bottom of LOU 7 for worst case evaluation and near LOU 60
/
45 (Diesel Storage Tanks) and I OLI 59 (Storm Sower System), and I OLI 60 (Acid Drain
45 (Dieser Storage Tariks) and LOO 59 (Storin Sewer System), and LOO 60 (Actu Diam
ootprint of a aboveground storage tank to evaluate subsurface releases (See LOU 45
45 (Diesel Storage Tanks), LOU 59 (Storm Sewer System), and LOU 60 Acid Drain
eter of the former aboveground storage tank to evaluate potential releases (see text
LOUs 59 and 60 to evaluate possible piping releases.
1 1 0
45 (Discal Storage Tanks) and LOLLED (Storm Source System) and LOLLED (Asid Drain
to block of a chorage trains) and 200 59 (Storm Sewer System), and 200 00 (Add Drain
oupline of a aboveground storage tank to evaluate subsurface releases (See LOO 45
45 (Diesel Storage Tanks), LOU 59 (Storm Sewer System), and LOU 60 Acid Drain
eter of the former aboveground storage tank to evaluate potential releases (see text
LOUs 59 and 60 to evaluate possible piping releases.
45 (Diesel Storage Tanks) and I OLI 60 (Acid Drain System). Located at a low spot
to consider the avaluate potential relations and part OU 60 piping to avaluate
15 (Platinum Drying Unit) and LOU 60 (Acid Drain System). Located as close as
15 to evaluate potential surface runoff releases and adjacent to LOU 60 piping to
,

(Unit 4 Basement and Old Sodium Chlorate Plant Decommissioning), LOU 59 Storm cid Drain System). Located downslope of OU 43 to evaluate potential subsurface

Grid Location	LOU Number	Phase B Boring No.	Sample ID Number	Sample Depths <sup>1.</sup> (ft. bgs)	Perchlorate (EPA 314.0)	Metals (EPA 6020	Hex Cr (EPA 7199)	TPH- DRO/ORO (EPA 8015B)	TPH-GRO VC (EPA 8015B) (EPA	Cs <sup>2.</sup> \ 8260B) Cher	Wet mistry <sup>3.</sup>	Total Cyanide (EPA 9012A)	OCPs <sup>4.</sup> (EPA 8081A)	SVOCs <sup>5.</sup> (EPA 8270C)	Radio- nuclides <sup>6.</sup>	Dioxins/ Furans <sup>7.</sup>	Asbestos <sup>9.</sup> EPA/540/R-97/028	Geo- technical Rationale
	•				•	B	orings are	organized by	grid location as	hown on Pl	ate A - Si	tarting point is o	n the nort	nwestern mos	t grid in Are	a 2 (M-2) an	d ending with	he southeastern most grid in Area 2 (S-7).
Q-6	43, 59, 60		RSAQ6-10	10	Х	Х	Х	Х		x	Х		Hold	Х	Х			releases and near LOU 60 piping to evaluate local piping releases.
Q-6	43, 59, 60		RSAQ6-20	20	Х	Х	Х	Х		X	Х		Hold	Х	Х			
Q-6	43, 59, 60		RSAQ6-30	30	Х	Х	Х	Х		×	Х		Hold	Х	Х			
Q-6	43, 59, 60		RSAQ6-35	35	Х	Х	Х	Х		X	Х		Х	Х	Х			
R-6	59,60	SA30	SA30-0.0	0.0	~	X	V	N/			X		V	× ×	N/	× ×	X	Boring located to evaluate LOU 59 (Storm Sewer System) and LOU 60 (Acid Drain System). Located near LOU 59
R-6	59,60		SA30-0.5	0.5	X	X	X	X		x	X		X	X	<u>X</u>	X		and 60 piping to evaluate possible local piping releases and for general site coverage in Unit Buildings area.
R-6	59,60		SA30-10	10	X	X	X	X		×	X		Hold	X	X			A
R-0	59,60		SA30-20	20	×	X	X	X		x i	× X		Hold	X	×			
R-6	59,60		SA30-35	35	×	X	X	X		x	X		X	X	×			
R-6	43, 60	SA32	SA32-0.0	0.0	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~	~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			~		~	~	~		Х	Boring located to evaluate LOU 43 (Unit 4 Basement and Old Sodium Chlorate Plant Decommissioning), and LOU 60
R-6	43, 60		SA32-0.5	0.5	Х	Х	Х	Х		x	Х		Х		Х	Х		(Acid DrainSystem), Located within the footbrint of LOU 43 as a worst case location and also located near LOU 60
R-6	43, 60		SA32-10	10	Х	Х	Х	Х		x	Х		Hold		Х			piping to evaluate local piping releases near a manhole.
R-6	43, 60		SA32-20	20	Х	Х	Х	Х		x	Х		Hold		Х			
R-6	43, 60		SA32-30	30	Х	Х	Х	Х		X	Х		Hold		Х			
R-6	43, 60		SA32-35	35	Х	Х	Х	Х		x	Х		Х		Х			
R-6	12, 59, 60	SA125	SA125-0.0	0.0													Х	Boring located to evaluate LOU 12 (Hazardous Waste Storage Area), LOU 59 (Storm Sewer System), and LOU 60
R-6	12, 59, 60		SA125-0.5	0.5	Х	Х	Х	Х		x	Х		Х	Х	Х	Х		(Acid DrainSystem). Located downslope of LOU 12 to evaluate surface runoff releases and adjacent to LOU 59 and 60
R-6	12, 59, 60		SA125-10	10	X	X	X	X		×	X		Hold	X	X			piping to evaluate high risk release locations (Manhole).
R-6	12, 59, 60	-	SA125-20	20	X	X	X	X		x	X		Hold	X	X	-		
R-6	12, 59, 60		SA125-30	30	X	X	X	X		X .	X		Hold	X	X X			
R-0	12, 59, 60	SA161	SA125-35	35	^	^	^	^		<u>`</u>	^		^	^	^		v	Paring lageted to evoluate LOLL 42 (Linit 4 Recompetiand Old Sedium Chlorate Plant Decommissioning)
R-0	43	SAIDI	SA161-0.5	0.0	×	×	Y			×	Y		Y		Y	Y	^	Colocida to evaluate Loo 43 (Unit 4 basement and for apprending Franc Decommissioning).
R-6	43		SA161-10	10	×	X	X			x	X		Hold		×	~		Colocated with 3570 to compare voor results, and for general site coverage.
R-6	43		SA161-20	20	X	X	X			x	X		Hold		X			
R-6	43		SA161-30	30	X	X	X			x	X		Hold		X			
R-6	43		SA161-35	35	X	X	X			x	X		X		X			
R-6	43, 59	RSAR6	RSAR6-0.0	0.0													Х	Boring located to evaluate LOU 43 (Unit 4 Basement and Old Sodium Chlorate Plant Decommissioning),
R-6	43, 59		RSAR6-0.5	0.5	Х	Х	Х	Х		X	Х		Х	Х	Х	Х		and LOU 59 (Storm Sewer System ) and LOU 60 (Acid Drain System). Random boring located near LOU 43 as a
R-6	43, 59		RSAR6-10	10	Х	Х	Х	Х		x	Х		Hold	Х	Х			stepout for general coverage, adjacent to LOU 59 and 60 piping to evaluate high risk release area (junction) and for site
R-6	43, 59		RSAR6-20	20	Х	Х	Х	Х		×	Х		Hold	Х	Х			wide coverage.
R-6	43, 59		RSAR6-30	30	Х	Х	Х	Х		x	Х		Hold	Х	Х			
R-6	43, 59	-	RSAR6-35	35	X	X	X	X		X	X		X	X	<u>X</u>	10	10	
Num	iber of Samples:				91	91	91	74	0	1	91	0	38	81	91	19	19	3
Notes: n/a X	Not applicable - Sample will be o	<ul> <li>boring is not collected and</li> </ul>	t associated with I analyzed.	n a specific l	LOU but is loca	ated to eva	luate soil for	general area-w	vide coverage.									
	No sample colle	ected under F	Phase B samplin	g program.														
DD*	Sample depth to	o be determi	ned in the field w	/here DD =	sample depth (	(ft).												
TPH-DRO/OR	Total petroleum	n hydrocarbor	ns - Diesel-Rang	e Organics/	/Oil-Range Org	janics.												
1.	The 0.5 ft bgs s	ample will be	e collected from	the 0.0 to 0.	.5 ft bgs interva	al, unless th	ne area is pa	aved. If area is	paved, samples will	e collected at	0.5 feet b	elow or from a repr	esentative d	epth beneath the	e pavement. A	Iternately, if a	n unpaved area i	s within a reasonable distance, the sample will be moved to the unpaved area.
2.	Samples for VC	DC analysis w	ill be preserved	in the field	using sodium b	oisulfate (or	DI water) a	nd methanol pro	eservatives per EPA	Method 5035.								
3.	Consists of wet	chemistry pa	arameters (includ	ding pH) list	ted on Table 1 o	of the Phas	se B Source	Area Work Plai	n.									
4.	Organochiorine	Pesticides (i	includes analysis	s for nexach	nlorobenzene).													
5. 6	Semi-volatile O	rganic Comp		na for inotes	nic thorium and	licotonio ··	ranium and	Padium 226 -	lue Padium 220 h.	ota countina		2)						
0. 7	Diovins/furans	will be analyz	ad by EPA Moth	ng 101 15010	r all samples S	Creening r	onorte will b	naulum-220, p	103 Naululli-220 Dy	nd full data pa	(per NDEP	7. r 10% of the sample	26					
8	Polychlorinated	l biphenvls		100 0230 101	an samples. S	Joreening I			o to or the samples a	na run uata pa	10100000	i iono oi ule sample						
9.	Soil samples for	r asbestos ar	nalyses will be c	ollected fror	m a depth of 0 t	to 2-inches	bas.											
10.	Geotechnical Te	ests consist o	of: moisture con	tent (ASTM	1 D-2216), grain	n size analy	/sis (ASTM I	D-422 and C11	7-04), Soil Dry Bulk I	ensity (ASTM	1 D-2937),	Grain Density (AST	TM D-854, S	oil-Water Filled I	Porosity (ASTN	/I D-2216); Ve	rtical Hydraulic C	onductivity (ASTM D-5084/USEPA 9100).

SPLP samples will be analyzed by EPA method 1312 using two preparation methods: 1) with extraction fluid #2 (reagent water at pH 5.0@0.05), and 2) with extraction method #3 (reagent water); per NDEF